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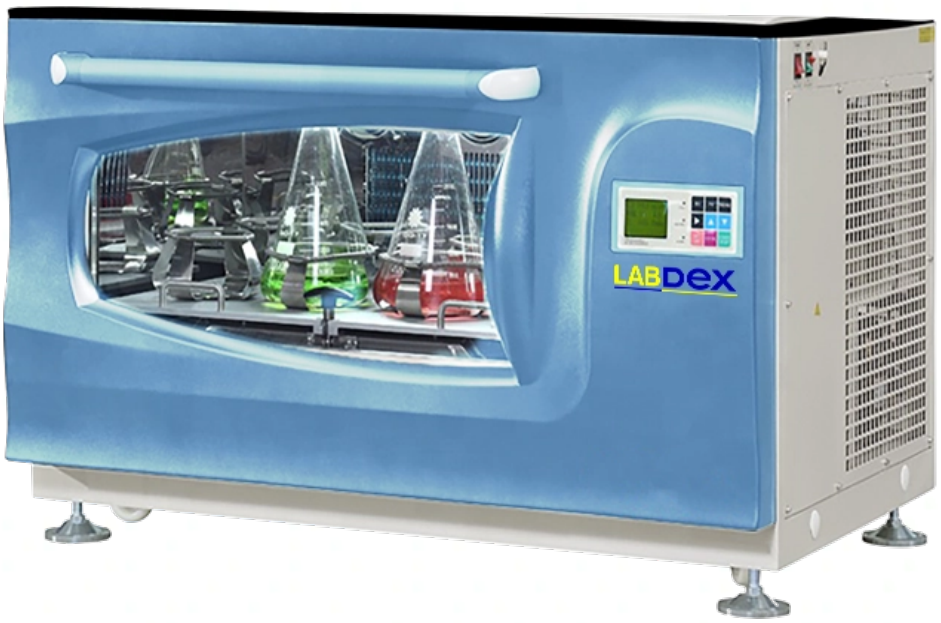

Stackable Shaking Incubator
LX103SCS

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Description

Stackable Shaking Incubator LX103SCS designed with PID microprocessor controller, touch screen LCD display for setting parameters and visualization. Having large toughened glass window to view temperature, speed and time. The outer chamber is made up of powder-coated steel construction and the inner chamber is made up of polished SUS304 stainless steel chamber. Features various types of alarm functions such as high/low limit over temperature acoustic & visual alarm, high/low limit over speed alarm. Motor overheat protection, automatic power cut-off in case of temperature out of control or abnormal over-temperature. Mostly used in germ culture, ferment, hybridization, and research of biochemical reactions, enzymes and cellular tissue and all those require high temperature and oscillation frequency.

Specifications

Capacity	180 L
Temp. range	RT+5℃-60℃
Control	P.I.D. (Environmental Scanning Microprocessor)
Display	7’’ LCD touch screen
Convection	Forced convection
Oscillation mode (standard)	Orbital rotation
Oscillation mode (optional)	Linear rotation
Drive	Single-shaft balance device
Ambient temperature	15°C~35°C
Temp. resolution	0.1°C
Temp. accuracy	±0.1℃
Temp. uniformity	

Speed range	30-300rpm
Speed accuracy	±1rpm
Oscillation amplitude (standard)	Φ50mm
Oscillation amplitude (optional)	0-50 (adjustable)
Timing range	0 to 9999 hr or 0.9999 min
Tray size	780 x 500 x 10 mm
Tray	1 Pcs
Power	980 W
Chamber material	Polished SUS304 stainless steel
Shaking platform material	Aluminum alloy
Construction	Steel with powder coating
Power supply	AC 200~240V 50-60HZ; AC110V/60Hz
Chamber dimension (W x D x H)	850 x 565 x 395 mm
Overall dimensions	1150 x 810 x 640 mm (without casters)
Net weight	295 kg
Packing dimensions	1270 x 980 x 920 mm
Gross weight	375 kg

Features

- Speed range extendable to 30-300rpm with temperature range RT+5°C~60°C
- Touch screen LCD display with P.I.D controller with acoustic & visual alarm
- Stackable floor standing up to a maximum of 3 units
- Single-shaft drive technology, quiet and durable
- Soft start to prevent sudden start and liquid splash so as to ensure reagent safety
- Build with AC inductive long-life brushless motor, with wide speed regulation, constant torque, constant speed of rotation, and maintenance-free
- Features speed saving, power-failure recovery, parameter memory, temperature/speed calibration, time display, and room/working temperature display. Repeat, increment (step) and 30-segment (5 groups) curve programming setting

Applications

- Stackable Shaking Incubator used in biotechnology companies, pharmaceutical, fermentation, microbiology, biochemical experiments, food and environmental protection.

Standard Accessories

- USB data export interface
- Fluorescent lamp x 1 Pcs
- UV lamp x 1 Pcs
- Flask shaking platform x 1 Pcs
- Flask clamps (1 size is offered as standard configuration)
- RS485 port

Optional Accessories

- Universal spring platform
- Sticky pad
- LED culture lighting system
- Tube rack
- Microplate holder

- Integrated thermal printer

Configuration

Flask specification	Maximum capacity
250 ml	40
500 ml	28
1000 ml	15
2000 ml	12

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